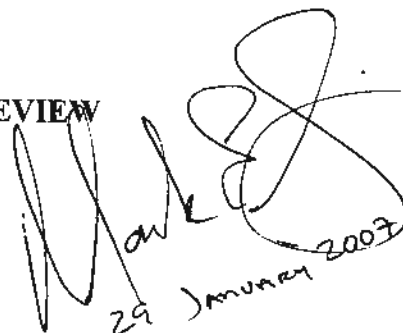


PRODUCT PERFORMANCE / EFFICACY REVIEW

Mark Suarez, Entomologist - IB


29 January 2007

DATE: 27 January 2007

EPA REG. NUMBER: 279-GGRU

PRODUCT NAME: F5997 ME Insecticide/Miticide

REGISTRANT: FMC Corp. Agricultural Products Group

PM: George LaRocca, PM13

REVIEWER: BeWanda Alexander

DECISION #.: 369125

DP BARCODE: 333379

ACTION: R31

ACTIVE INGREDIENT(S): 129032, Pyriproxyfen.....0.5%
128825, PBO.....8.0%

TYPE: Micro-emulsion (ME) Concentrate

OPPTS GUIDELINE(S): 810.3500

MRID:

46888508	Submitted	GLP? No
44021901	Cited	GLP? No
44137401	Cited	GLP? No
44137402	Cited	GLP? No
44638801	Cited	GLP? No
44891901	Cited	GLP? No
44894902	Cited	GLP? No
44894903	Cited	GLP? No
44894904	Cited	GLP? No
44894905	Cited	GLP? No
44894906	Cited	GLP? No
44894907	Cited	GLP? No
44894908	Cited	GLP? No

SITES & PESTS

Indoor &	Cockroaches, Termites, Ants
Outdoor:	(incl. Fire & Carpenter),
Ubiquitous	House Flies, Mosquitoes, Bed Bugs, Fleas, Spiders, Bees & Wasps, Centipedes, Scorpions, Ticks, Biting Flies, Chiggers, Flies

LABEL APPLICATION RATE: 0.125-1.0 fl. oz/1000 ft²

STUDY SUMMARIES:

MRID 46888508. Richman, D. (2006) F5997 ME for Control of General Household, Ornamental, and Turf Pests. Project Number: PDM/075/06. Unpublished study prepared by FMC Corp. Agricultural Products Group. 22 p.

The studies submitted included data for the efficacy of bifenthrin, pyriproxyfen, F5997 ME, and a water control. Efficacy data for the aforementioned treatments against adult and larval stages were submitted for whiteflies, phorid flies, and German cockroaches. Efficacy data against adult crickets, millipedes, and earwigs were also provided. The data indicate that the product works as intended against these representative taxa. The bifenthrin in the formulation functions as an adulticide, while the pyriproxyfen in the formulation acts as an IGR. No agonism was noted between the molecules. The submitted data support bridging of data for bifenthrin and pyriproxyfen alone to the combined ME formulation.

Data were cited from originally submitted in support of a bifenthrin product (279-3157) and pyriproxyfen formulations (1021-1603 & 10182-433). The data submitted in support of those registrations may be cited in support of the subject registration.

ENTOMOLOGIST'S COMMENTS AND RECOMMENDATIONS:

The label is generally acceptable. A list of revisions to be made is provided below:

- 1.) For bed bugs only "Aids in Control" claims are allowed on the label. Revise all label claims accordingly.
- 2.) In the section "Pests Under Slabs" on page 4 of the submitted label, clarify that this section excludes termites by revising to read "Pests Under Slabs – Except Termites".
- 3.) Under the Heading "Mosquito Control" add the sub-heading "Wide Area Application is Not Allowed."

MRID 46888508 is incomplete. All data submissions must include the raw data sheets for the trials. Submit said information as an addendum to the MRID within 6 months of the date of registration of this product.